Second Series. Volume 18.

Western Australia

SUPPLEMENT

TO THE

JOURNAL

OF THE

DEPARTMENT OF AGRICULTURE

of Western Australia.

MARCH, 1942.

By Direction of

The HON. THE MINISTER FOR AGRICULTURE.

INDEX, VOLUME 18, 1941.

PERTH:

By Authority: ROBERT H. MILLER, Acting Government Printer, Perth.

1942.

i 11052/42

IMP. INST. ENT.
LIBRARY
10 OCT 1942
SERIAL Aus. 30
SEPARATE

Supplement to the Journal of the Department of Agriculture of Western Australia.

March, 1942.

INDEX TO VOLUME 18, 1941.

SUBJECT INDEX.

A.

Page

Apiary—Reconditioning an 242
Apples—Occurrence of Grey Mould or Botrytis Rot of 217
Apple Tree—The Root System of the 220
Arsenic Compounds—The Use of, for Killing Green Timber 68

B.

Broom Millet 183

C.

Chenopodium Oil 32
Composts—Turning Waste Materials into Valuable Manure 210
Contagious Abortion-free Herds 86, 159, 300
Copper Content of Western Australian Pastures—A Survey of the 285
Copper—Fertilisers containing 70

D.

Dairy Cattle Production Recording Scheme—The Official Australian 184
Dairy Herds—Associations for the Improvement of in Western Australia 169

E.

Egg Laying Trials—Muresk Agricultural College, 1940–41 198
Emus—Destruction of 160

F.

Falling Disease of Cattle in the South-West 133
Fertilisers 27, 147

G.

Green Feed Deficiency Disease—A Note on 65
Gypsum—Its place in Agriculture 249

H.

Haricot Beans—A Review 158

I.

Inoculated Legumes—Conserve Nitrogenous Fertilisers by Growing 87

M.

Micro-Elements for the Growth of Crops in Western Australia—Experiments with 70, 91, 96, 125
Milk and Cream—Seasonal Hints on the Care of 229
Milk Fever in the Dairy Cow 232

N.

Noxious Weeds—Four New 44

O.

Oranges—Water Spot of Navel, in Relation to the Application of White Oil Sprays and various other Orchard Practices 267

INDEX—*continued.*

P.

Page

Pig Premises 148
Potatoes—Sprouting of Seed—Some Light on 247
Pregnancy Toxaemia of Ewes 142
Producer Gas on Dairy Farms 237

S.

Sheep—Footrot in 162
Sheep Husbandry in Western Australia—Studies in 13
Sheep—Infectious Entero-Toxaemia (" Braxy-like Disease," " Pulpy Kidney ") of, in Western Australia 35
Sheep—Worms in 252
Subterranean Clover Seed—Government Certified 86

T.

Termites or " White Ants " 22
Tobacco—Field Experiments with, Season 1939–40 1
Tobacco Seed Bed Management 136
Toxic Paralysis (Botulism) 27
Tubercle Free Herds 43
Tung Oil Trees—Some Facts relating to the Growing of, in Western Australia 228

W.

Wheat and Oats—Field Experiments with, 1940, at the Agricultural Research Stations 49
Wheat—The Bushel Weight of—A Note on the Determination of 166
Wheat Yields and Variability in Western Australian Districts 62

AUTHOR INDEX.

A.

ARNOLD, A.—
Emus—Destruction of 160

B.

BECK, A. B.—
Copper Content of Western Australian Pastures—A Survey of the 285

BENNETTS, H. W.—
" Falling Disease " of Cattle in the South-West 133

BURVILL, G. H.—
Gypsum—Its Place in Agriculture 249

BLAIR, L.—
Apiary—Reconditioning an 242

C.

CARISS, H. G.—
Fertilisers 27, 147

CASS SMITH, W. P.—
Apples—The Occurrence of Grey Mould or Botrytis Rot of 217
Inoculated Legumes—Conserve Nitrogenous Fertilisers by Growing 87

CASS SMITH, W. P., OWEN, R. C., AND HARVEY, H. L.—
Oranges—Water Spot of Navel, in Relation to the Application of White Oil Sprays and Various other Orchard Practices 267

CASS SMITH, W. P., AND SHARP, A.—
Tobacco—Field Experiments with, Season 1939–40 1

CULLITY, M.—
Pig Premises 148
Producer Gas on Dairy Farms 237

INDEX—*continued.*

Page

CULLITY, M., AND SLATER, G.—
Dairy Cattle Production Recording Scheme—The Official Australian 184
Dairy Herds—Associations for the Improvement of, in Western Australia ... 169

G.

GARDNER, C. A.—
Chenopodium Oil 32
Noxious Weeds—Four New 44

GENTILLI, J.—
Wheat Yields and Variability in Western Australian Districts 62

J.

JENKINS, C. F. H.—
"Termites" or "White Ants" 22

JONES, L. T.—
Composts—Turning Waste Materials into Valuable Manures 210

M.

MAHAFFEY, L. W.—
Green Feed Deficiency Disease—A Note on 65
Sheep—Footroot in 162

MEADLY, G. R. W. —
Arsenic Compounds—The Use of for Killing Green Timber 68

MORGAN, E. T.—
Potatoes—Sprouting of Seed, Some Light on 247

P.

POWELL, H. R.—
Tung Oil Trees—Some Facts relating to the Growing of in Western Australia ... 228

S.

SHARP, A.—
Tobacco Seed-bed Management 136

SHAW, G. D.—
Egg Laying Trials, Muresk Agricultural College, 1940–41 198

T.

TEAKLE, L. J. H., AND BURVILL, G. H.—
Micro-Elements—Experiments with at Muchea and Maida Vale 125

TEAKLE, L. J. H., AND JONES, L. T.—
Apple Tree—The Root System of the 220

TEAKLE, L. J. H., MORGAN, E. T., AND TURTON, A. G.—
Micro-Elements—Experiments with Potatoes, Vegetables, and other Crops in the Albany District 96

TEAKLE, L. J. H., THOMAS I., AND TURTON, A. G.—
Micro-Elements—Experiments in the Wheat Belt with Cereals 70

THOMAS, I.—
Wheat and Oats—Field Experiments with, 1940, at the Agricultural Research Stations 49

THOMAS, I., AND SAMUEL, L. W.—
Wheat—The Bushel Weight of—A Note on the Determination of 166

INDEX—*continued.*

TOOP, C. R.— Page

Milk Fever (*Parturient Hypocalcaemia*) in the Dairy Cow 232
Pregnancy Toxaemia of Ewes 142
Sheep—Infectious Entero-Toxaemia ("Braxy-like Disease," "Pulpy Kidney") of, in Western Australia 35
Sheep—Worms in 252

U.

UNDERWOOD, E. J. AND SHIER, F. L.—
Sheep Husbandry in Western Australia—Studies in 13

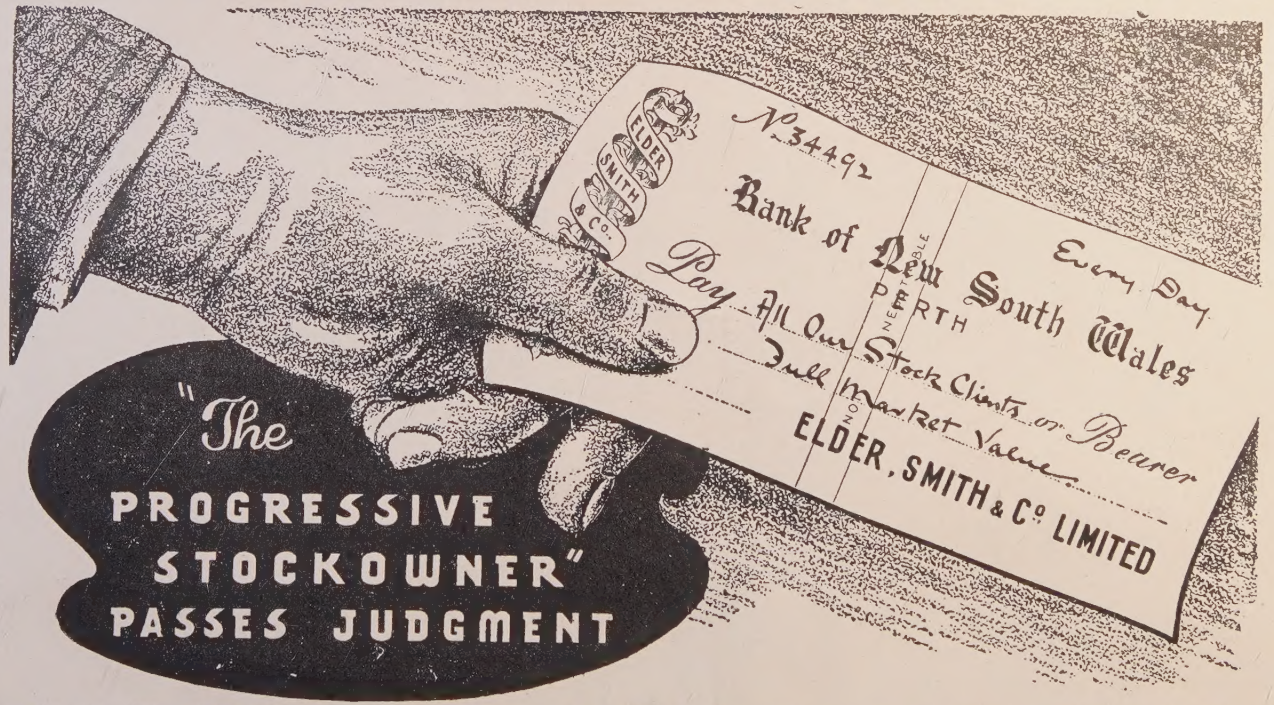
W.

WILD, A. S., AND TEAKLE, L. J. H.—
Micro-Elements—Experiments on High Level Sandy and Gravelly Country in the Southern Wheat Belt 91

By Authority: ROBERT H. MILLER, Acting Government Printer, Perth.

Contents.

		Page
Field Experiments with Tobacco, Season 1939–40 ...	W. P. Cass-Smith and A. Sharp	1
Studies in Sheep Husbandry in Western Australia ...	E. J. Underwood and F. L. Shier	13
Termites or "White Ants"	C. F. H. Jenkins	22
Toxic Paralysis (Botulism)	... ...	27
Fertilisers	H. G. Cariss	27
Chenopodium Oil	C. A. Gardner	32
Infectious Entero-Toxaemia ("Braxy-like Disease," "Pulpy Kidney") of Sheep in Western Australia	C. R. Toop	35
Tubercle Free Herds	... ...	43
Four New Noxious Weeds	C. A. Gardner	44
Field Experiments with Wheat and Oats, 1940, at the Agricultural Research Stations	I. Thomas	49
Wheat Yields and Variability in Western Australian Districts	J. Gentilli	62
A Note on Green Feed Deficiency Disease	L. W. Mahaffey	65
The Use of Arsenic Compounds for Killing Green Timber	G. R. W. Meadly ...	68
Fertilisers Containing Copper	... ...	70
Experiments with Micro-Elements for the Growth of Crops in Western Australia—1. Experiment in Wheat Belt with Cereals	L. J. H. Teakle, I. Thomas, and A. G. Turton	70
Contagious Abortion-Free Herds	... ...	86
Government Certified Subterranean Clover Seed ...	... ...	86
Corrigea	... ...	86
Conserve Nitrogenous Fertilisers by Growing Inoculated Legumes	W. P. Cass-Smith ...	87



THE ASSURANCE that his consignment will be carefully handled and graded by only competent stockmen, the knowledge that it will not be sold below its full market value, the appreciation of an unsurpassed service both before and after the sale — all this induces the Progressive Stockowner to give his verdict, **"SELL THROUGH ELDER'S AND ENSURE SATISFACTION."**

ELDER, SMITH & CO., LIMITED

Please mention the *Journal of Agriculture, W.A.*, when writing to advertisers. 1—4